TITLE OF THE INVENTION

ALTERNATIVELY SPLICED ISOFORMS OF INHIBITOR OF KAPPA-B KINASE GAMMA (IKBKG)

ABSTRACT OF THE DISCLOSURE

The present invention features nucleic acids and polypeptides encoding four novel splice variant isoforms of inhibitor of kappa light polypeptide gene enhancer in B cells, kinase of, gamma (IKBKG). The polynucleotide sequences of *IKBKGsv1, IKBKGsv2.1, IKBKGsv2.2,* and *IKBKGsv3* are provided by SEQ ID NO 4, SEQ ID NO 6, SEQ ID NO 8, and SEQ ID NO 10, respectively. The amino acid sequences for IKBKGsv1, IKBKGsv2.1, IKBKGsv2.2, and IKBKGsv3 are provided by SEQ ID NO 5, SEQ ID NO 7, SEQ ID NO 9, and SEQ ID NO 11, respectively. The present invention also provides methods for using IKBKGsv1, IKBKGsv2.1, IKBKGsv2.2, and IKBKGsv3 polynucleotides and proteins to screen for compounds that bind to IKBKGsv1, IKBKGsv2.1, IKBKGsv2.2, and IKBKGsv3, respectively.